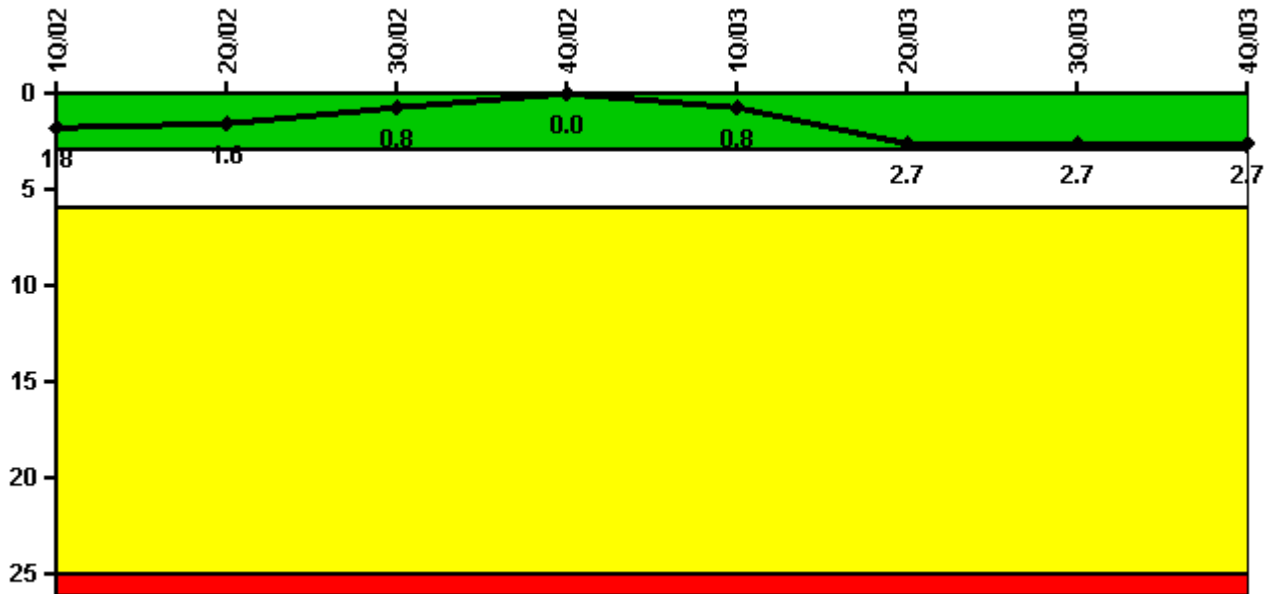


Pilgrim 1

4Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	0	0	0	1.0	2.0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1971.0	1519.0	2188.0	1984.0
Indicator value	1.8	1.6	0.8	0	0.8	2.7	2.7	2.7

Licensee Comments:

4Q/03: Reflects unplanned scrams on 2/21/03, 5/19/03, and 6/1/03.

Scrams with Loss of Normal Heat Removal



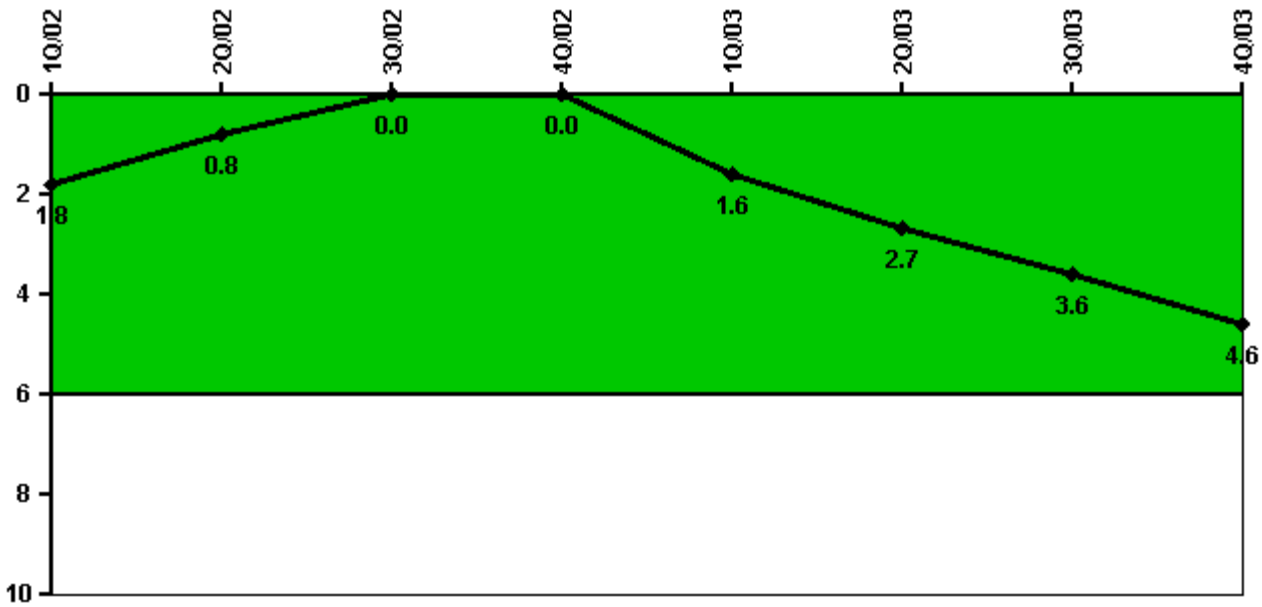
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

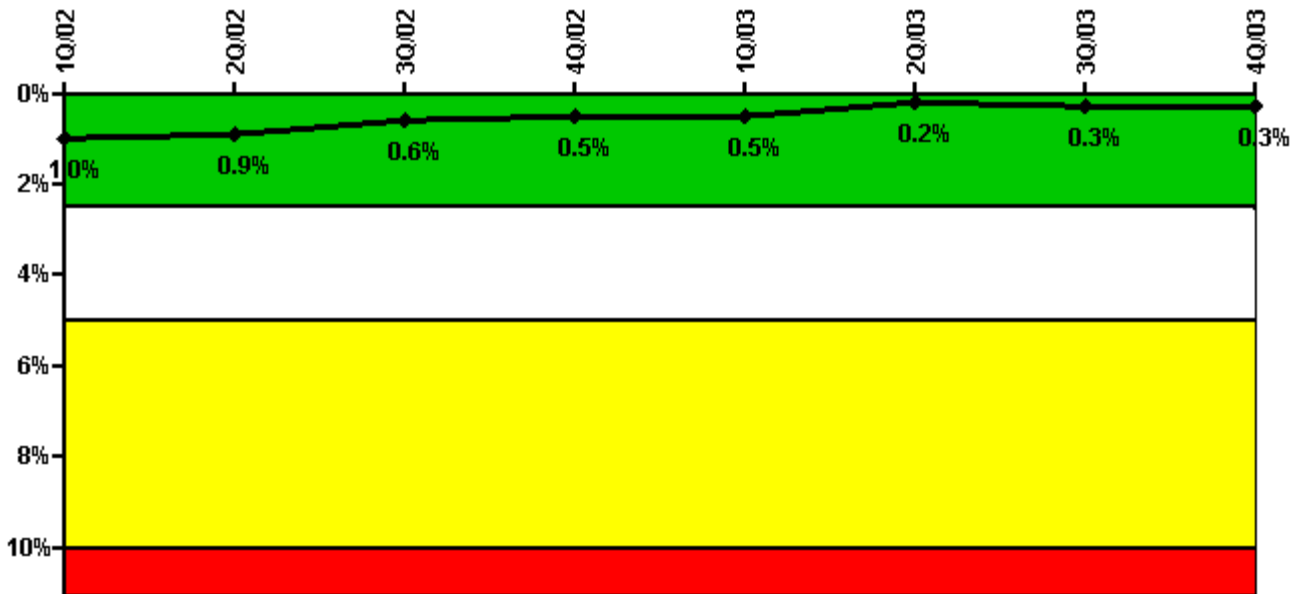
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	0	0	0	0	2.0	1.0	1.0	1.0
Critical hours	2160.0	2183.0	2208.0	2209.0	1971.0	1519.0	2188.0	1984.0
Indicator value	1.8	0.8	0	0	1.6	2.7	3.6	4.6

Licensee Comments:

4Q/03: Reflects unplanned power reductions greater than 20% on 2/20/03, 3/3/03, 5/15/03, 9/16/03, and 12/1/03.

Safety System Unavailability, Emergency AC Power



Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	1.20	3.55	1.83	1.53	1.01	1.58	1.58	11.34
Unplanned unavailable hours	0	4.00	4.70	0	0	0	21.08	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2058.00	1570.00	2202.70	1983.00
Train 2								
Planned unavailable hours	0.90	1.08	0.70	0.89	0.80	0.91	2.51	17.43
Unplanned unavailable hours	0	33.75	3.05	0	13.72	0	0.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2058.00	1570.00	2202.70	1983.00
Indicator value	1.0%	0.9%	0.6%	0.5%	0.5%	0.2%	0.3%	0.3%

Licensee Comments:

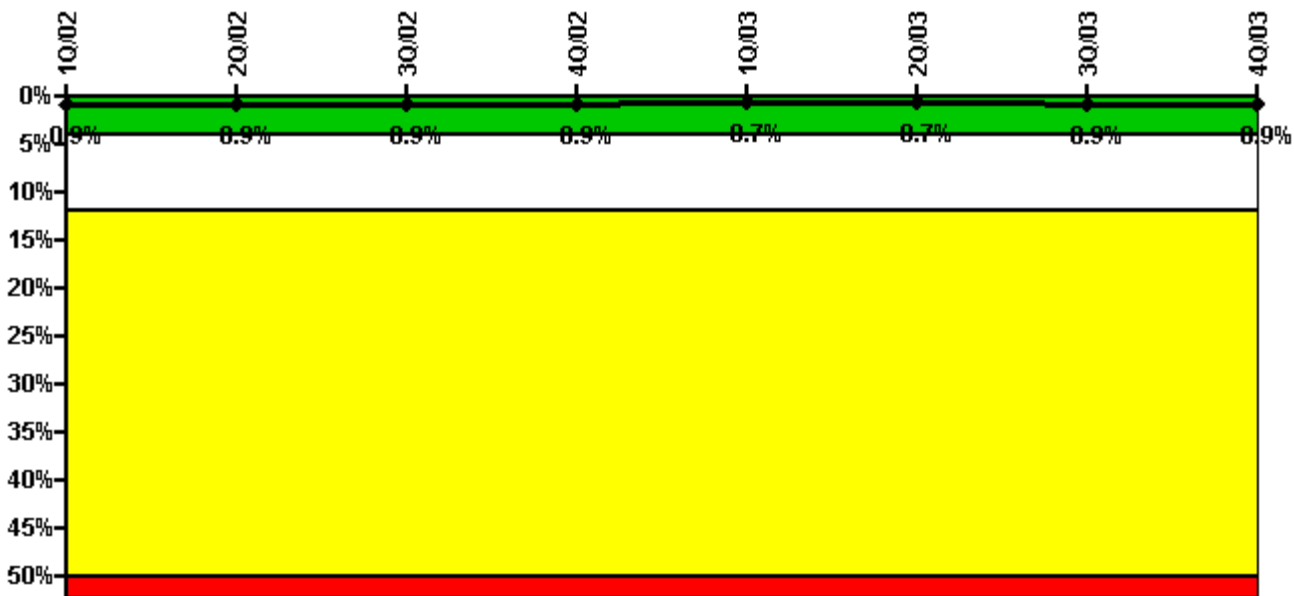
4Q/03: The indicator reflects change reports for 2Q-2003 and 3Q-2003 that were revised to include planned unavailability hours for Train 1 and Train 2, for load shed testing.

3Q/03: The data reflects 1.58 hours and 2.51 hours of planned unavailability hours for Train 1 and Train 2, respectively.

2Q/03: The indicator reflects the correction of planned unavailability hours for 2000-3Q (added 3.53 hours for Train 2), 2002-2Q (deleted 176.58 overhaul hours that were inadvertently included for Train 2), and 2002-3Q

(deleted 142.22 overhaul hours that were inadvertently included for Train 1). The corrections were included in change reports for the respective quarter as part of the 2Q-2003 PI data submittal. The indicator remained in the Green band with the corrections. The indicator also reflects the addition of 1.58 hours and 0.91 hours of planned unavailability hours for Train 1 and Train 2, respectively.

Safety System Unavailability, High Pressure Injection System (HPCI)



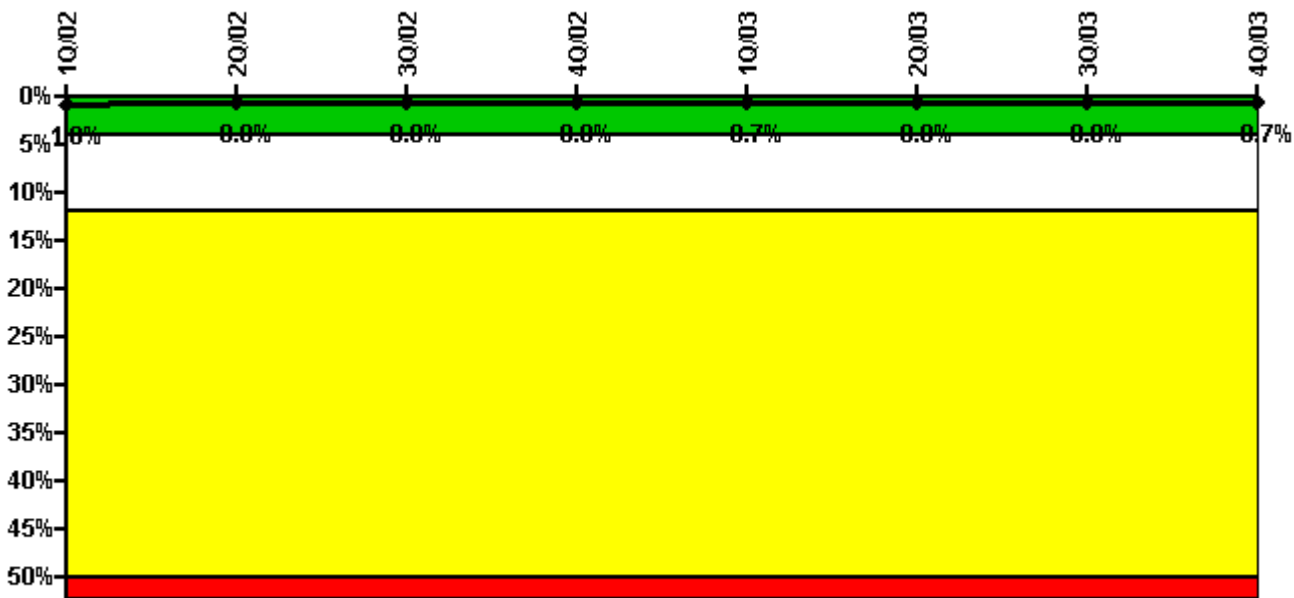
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	15.31	12.90	18.62	3.62	0.35	11.15	4.97	0.90
Unplanned unavailable hours	0	0	0.50	0	0	0	101.43	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2000.75	1590.54	2200.60	1980.00
Indicator value	0.9%	0.9%	0.9%	0.9%	0.7%	0.7%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



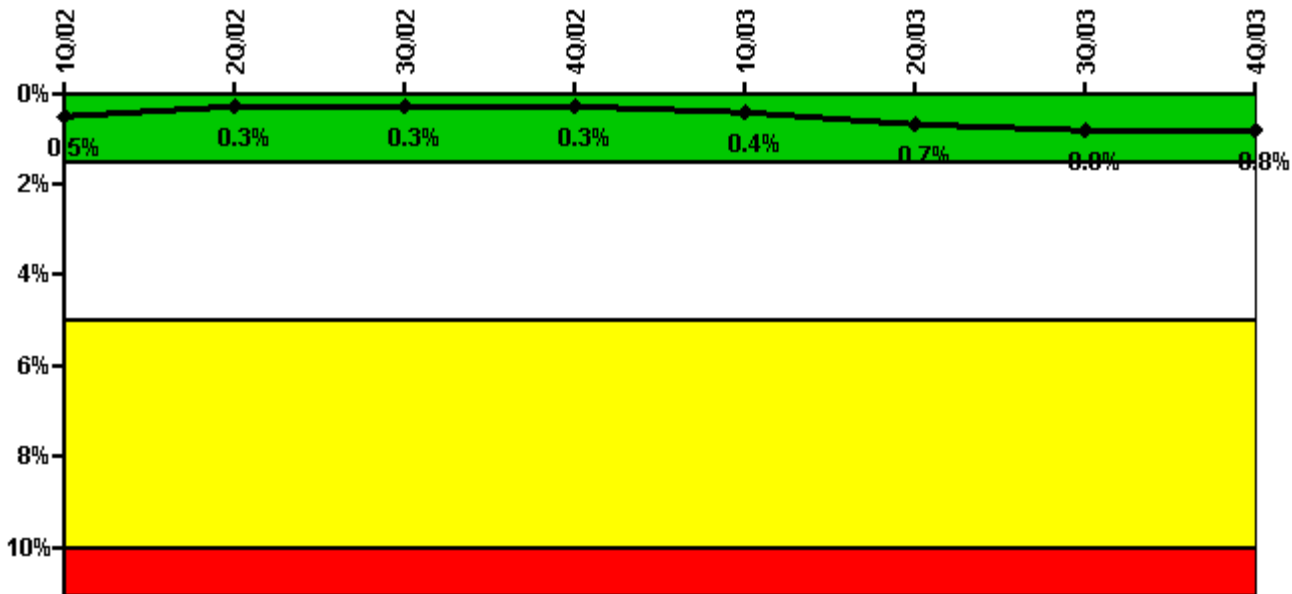
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	11.86	7.64	14.28	22.73	19.48	9.74	25.29	3.81
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2000.75	1590.54	2200.60	1980.00
Indicator value	1.0%	0.8%	0.8%	0.8%	0.7%	0.8%	0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



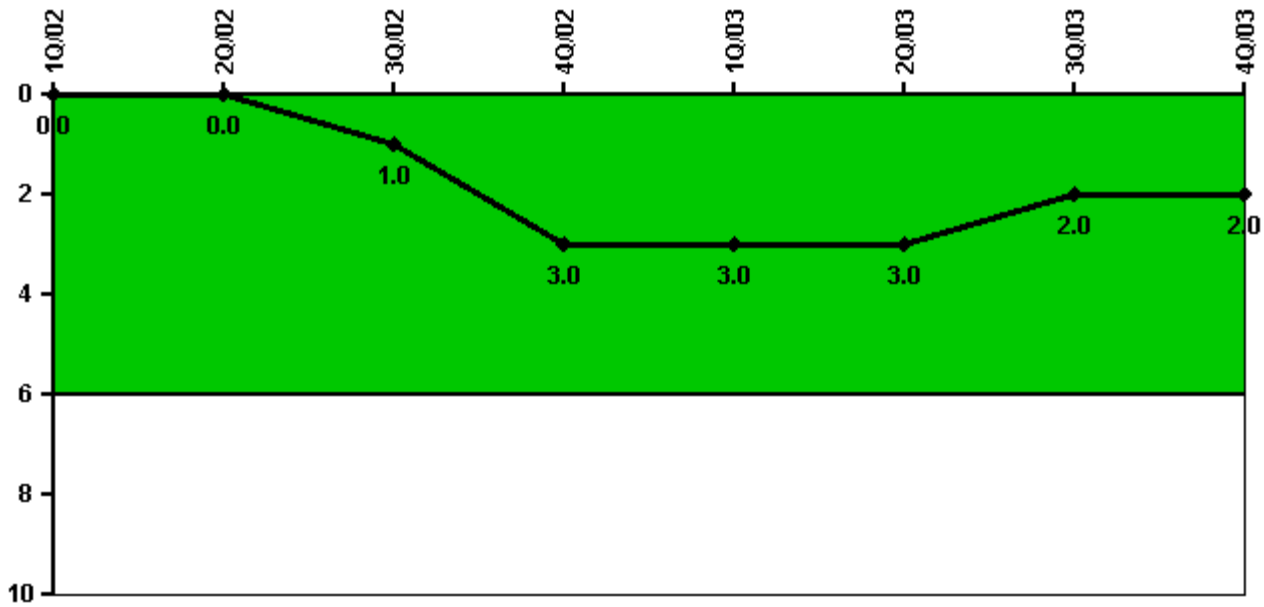
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	0	2.48	0	3.00	0	109.45	19.93	24.35
Unplanned unavailable hours	0	0	0	0	59.20	0	42.29	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	0.50	0	0	0	0	18.70
Unplanned unavailable hours	0	0	0	0	12.80	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.5%	0.3%	0.3%	0.3%	0.4%	0.7%	0.8%	0.8%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

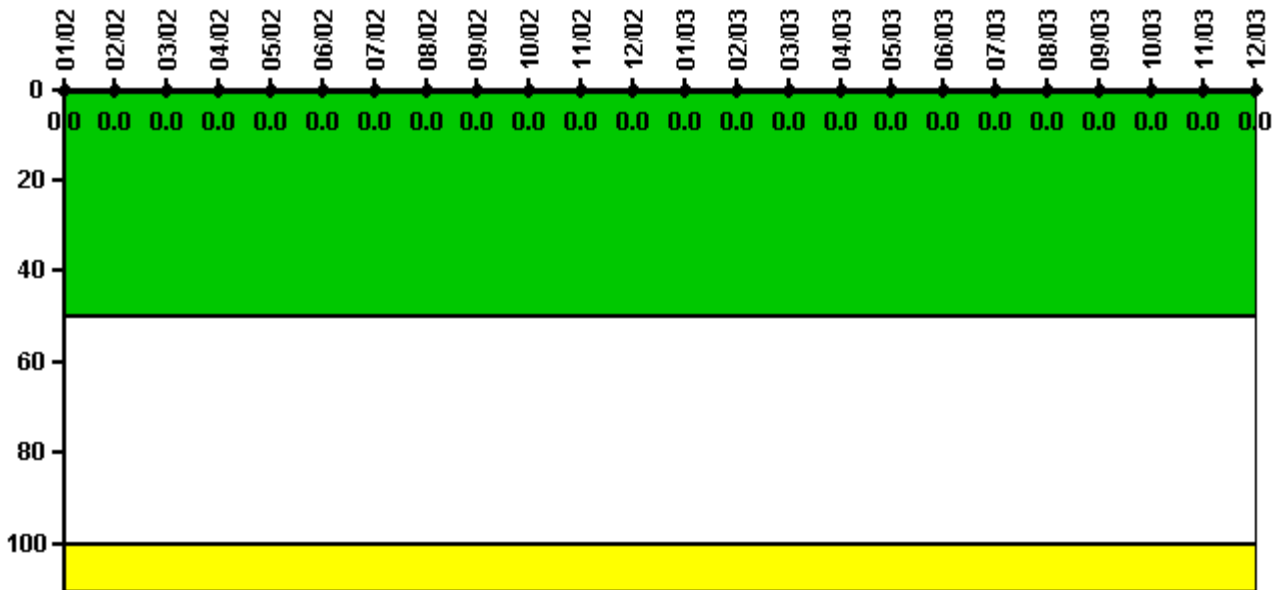
Notes

Safety System Functional Failures (BWR)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Safety System Functional Failures	0	0	1	2	0	0	0	2
Indicator value	0	0	1	3	3	3	2	2

Licensee Comments:

4Q/03: Reflects LER 2003-004-00 (HPCI) that was submitted on 10/27/03 and LER 2003-005-00 (HPCI and RCIC) that was submitted on 11/3/03.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

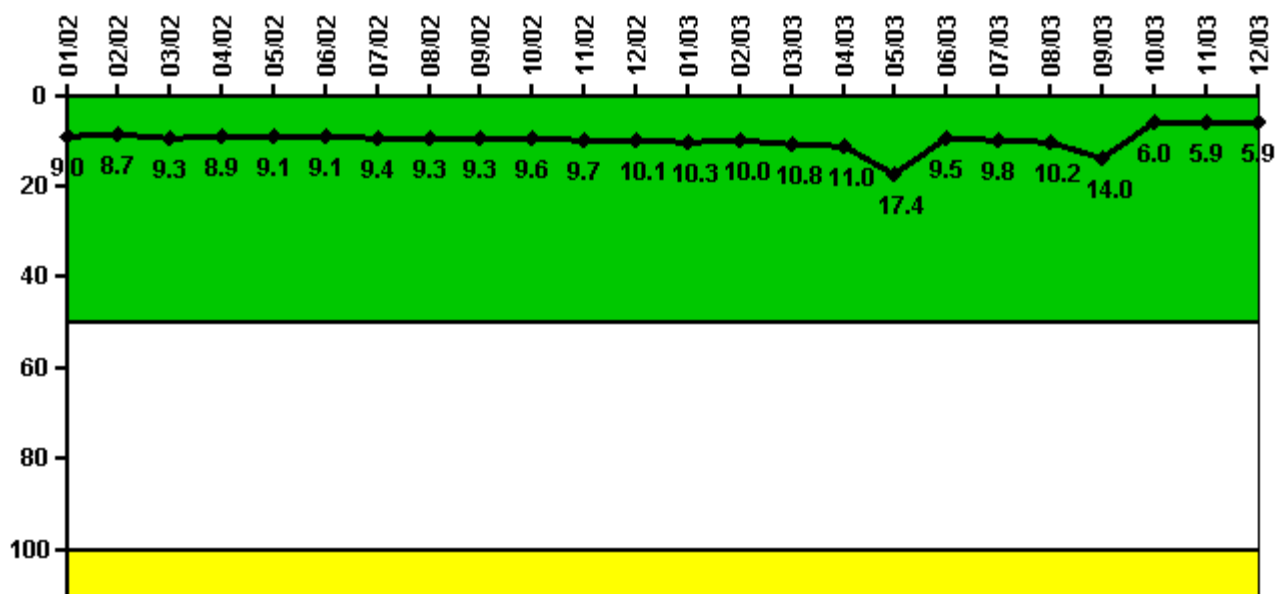
Notes

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.002860	0.003050	0.003100	0.002360	0.002250	0.002360	0.002360	0.002930	0.002850	0.001780	0.002160	0.002900
Technical specification limit	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.004520	0.003160	0.003040	0.002970	0.002360	0.005000	0.005000	0.004350	0.003780	0.004690	0.004120	0.003900
Technical specification limit	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

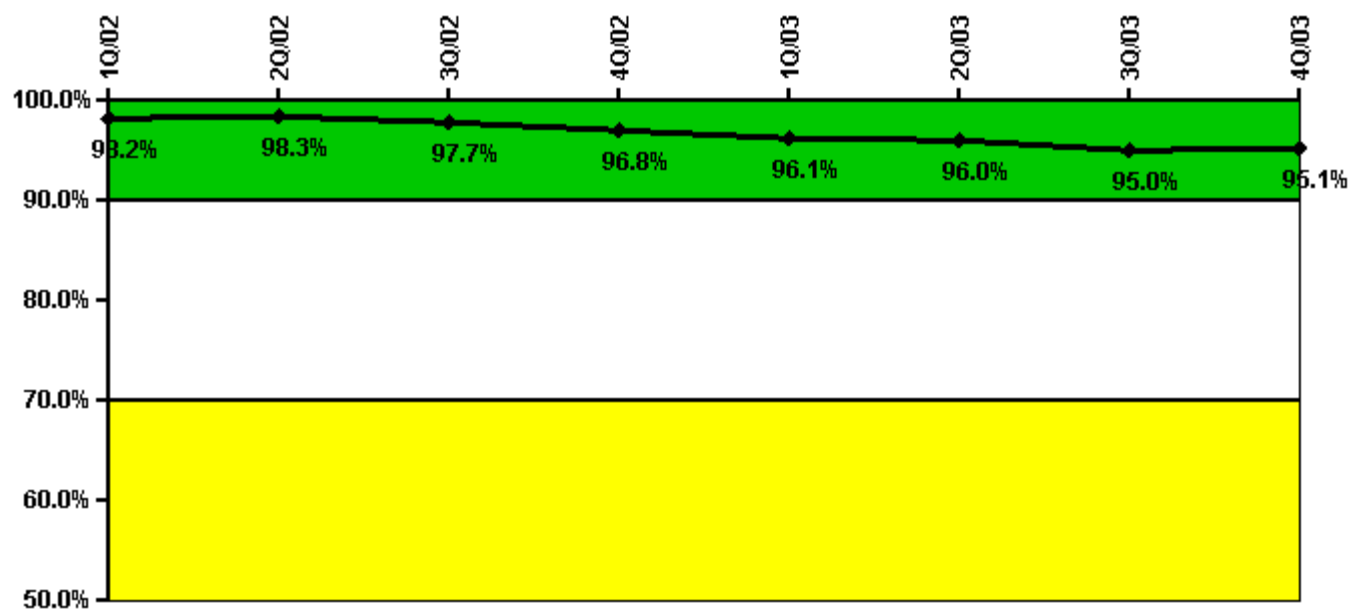
Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	2.250	2.180	2.330	2.230	2.270	2.280	2.360	2.330	2.330	2.400	2.420	2.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	9.0	8.7	9.3	8.9	9.1	9.1	9.4	9.3	9.3	9.6	9.7	10.1

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	2.570	2.500	2.710	2.750	4.340	2.370	2.440	2.540	3.510	1.500	1.470	1.470
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	10.3	10.0	10.8	11.0	17.4	9.5	9.8	10.2	14.0	6.0	5.9	5.9

Licensee Comments:

12/03: Reflects maximum total leakage (identified plus un-identified) in gpm for each month, expressed as a percentage of the Technical Specifications limit. Technical Specifications specify un-identified leakage and total leakage, does not specify identified leakage.

Drill/Exercise Performance



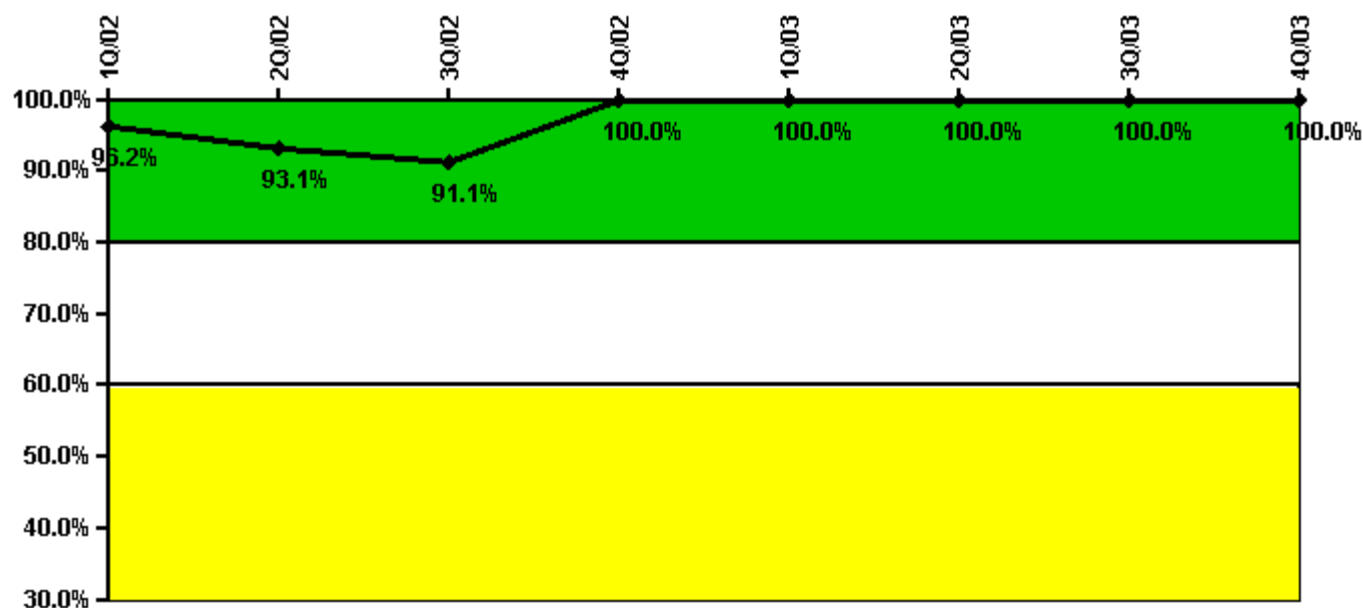
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	14.0	26.0	54.0	22.0	15.0	21.0	56.0	24.0
Total opportunities	15.0	26.0	56.0	24.0	17.0	22.0	60.0	24.0
Indicator value	98.2%	98.3%	97.7%	96.8%	96.1%	96.0%	95.0%	95.1%

Licensee Comments: none

ERO Drill Participation



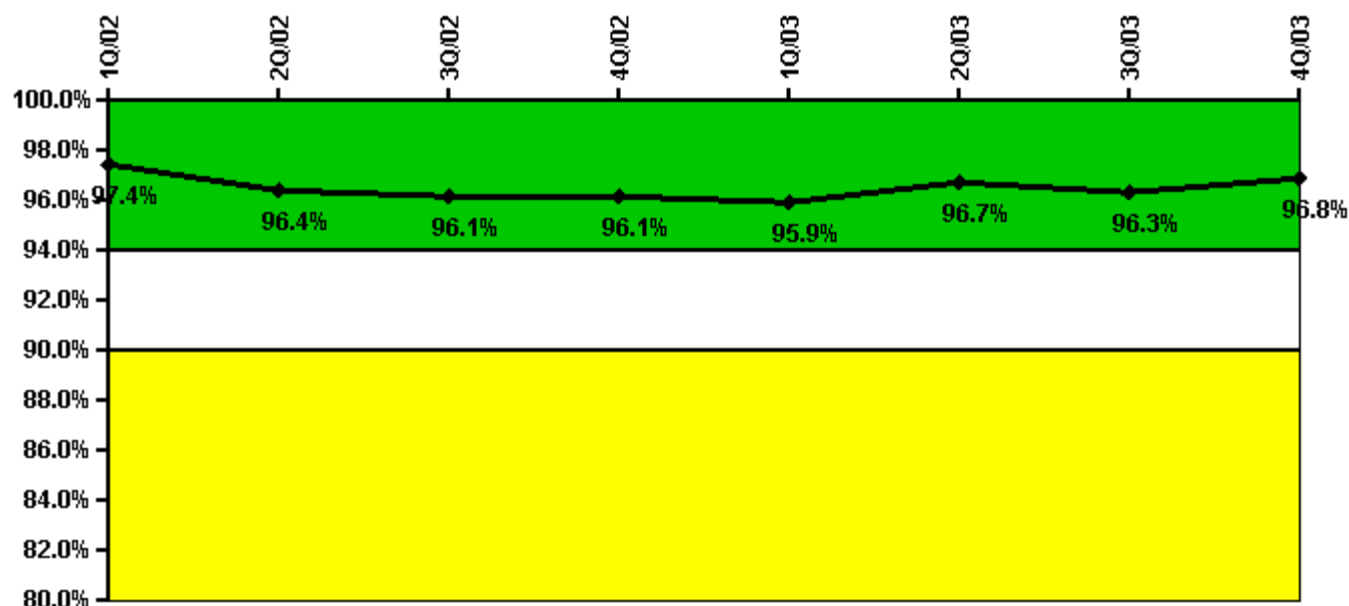
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	50.0	54.0	51.0	58.0	57.0	56.0	55.0	55.0
Total Key personnel	52.0	58.0	56.0	58.0	57.0	56.0	55.0	55.0
Indicator value	96.2%	93.1%	91.1%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

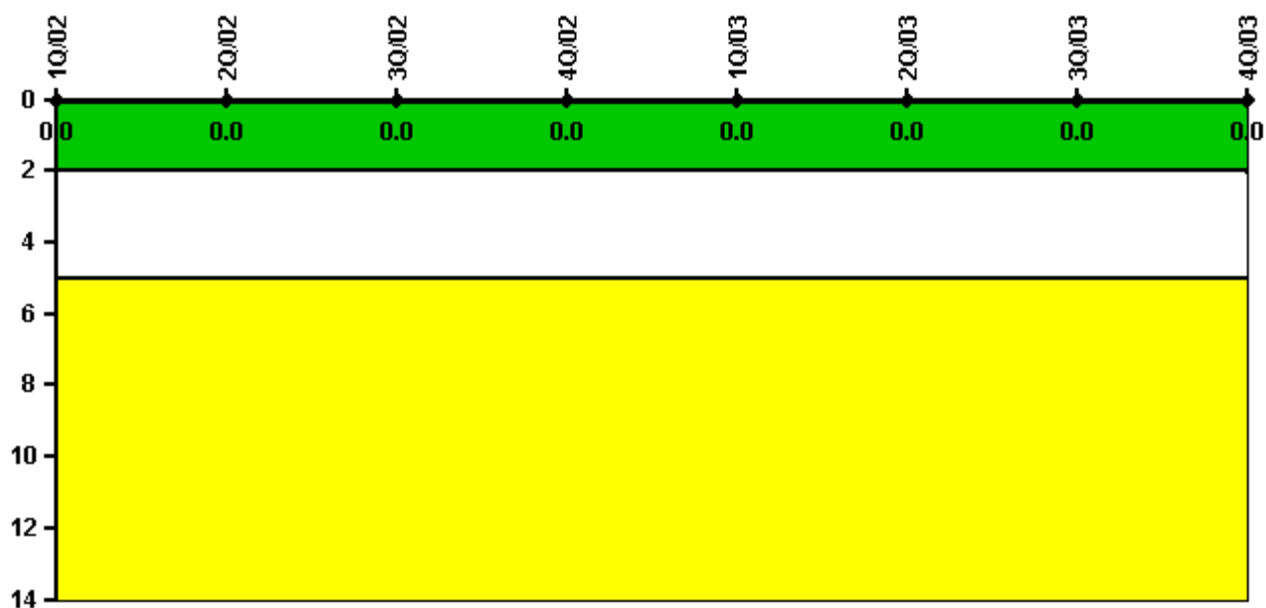
Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	324	313	432	330	321	325	291	472
Total sirens-tests	336	336	448	336	336	336	307	477
Indicator value	97.4%	96.4%	96.1%	96.1%	95.9%	96.7%	96.3%	96.8%

Licensee Comments:

4Q/03: The data was revised to reflect the testing of 29 sirens in early October that were not tested in September. The indicator data reflects the change report for 3Q-2003.

3Q/03: The data was revised to reflect that 29 of the 112 sirens were tested in the first week of October 2003 (4Q-2003). The tests of these 29 sirens would normally have been performed in September 2003 but were not scheduled for performance until the first three days of October due to an administrative error. The sirens were not out-of-service for maintenance or repair and are believed to have been capable of operation if activated in this timeframe. The data was modified to reflect that these delayed tests were non-opportunities in September 2003 and are reflected in the October 2003 data (4Q-2003).

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

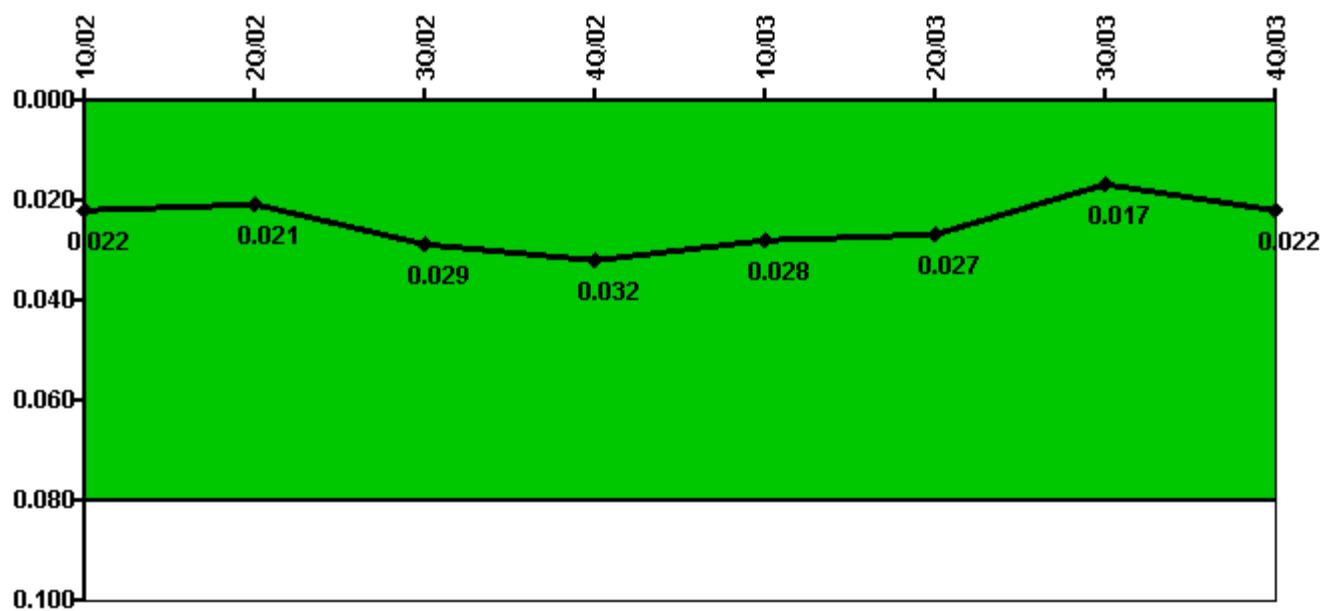
Notes

RETS/ODCM Radiological Effluent	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments:

4Q/03: Analysis results for December were not available when this report was prepared because the results of laboratory analysis of samples for December will not be available until January. Weekly calculations completed through December 31, 2003 indicate cumulative doses for 4Q-2003 were well below the specified values. The sample analysis results for 4Q-2003 will be reflected in the April 2004 data submittal (for 1Q-2004). The sample analysis results for 3Q-2003 were as reported in the October 2003 data submittal (for 3Q-2003).

Protected Area Security Performance Index



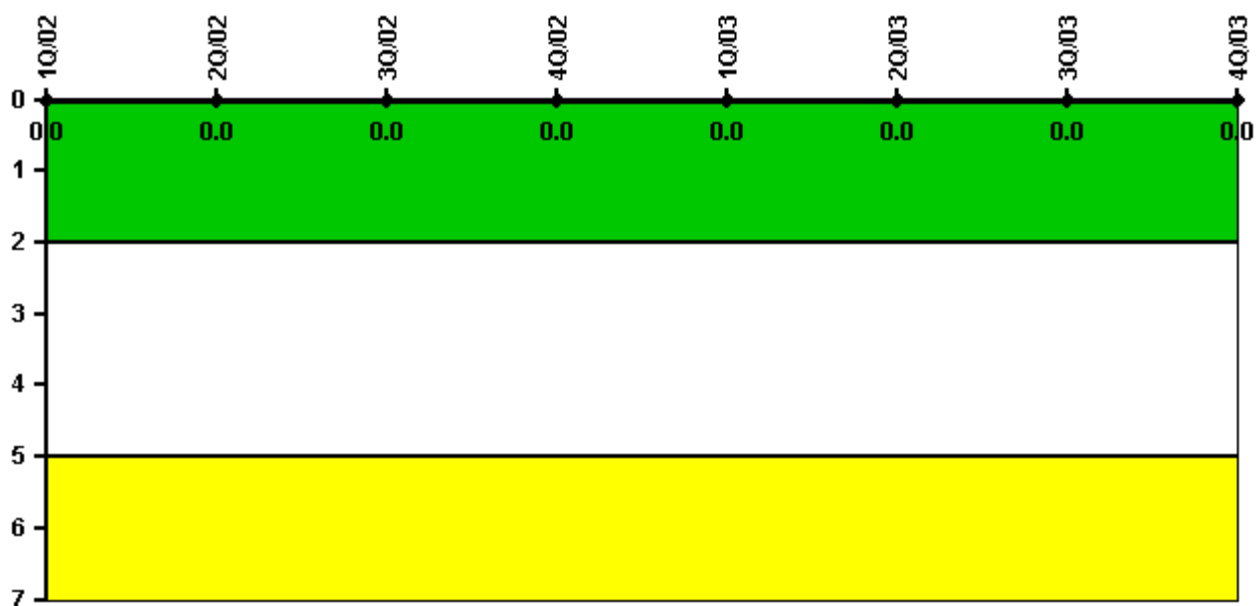
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
IDS compensatory hours	173.60	137.20	82.40	42.20	75.80	44.10	140.80	153.60
CCTV compensatory hours	26.9	31.8	250.3	45.9	0.6	67.3	38.4	85.5
IDS normalization factor	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.022	0.021	0.029	0.032	0.028	0.027	0.017	0.022

Licensee Comments: none

Personnel Screening Program

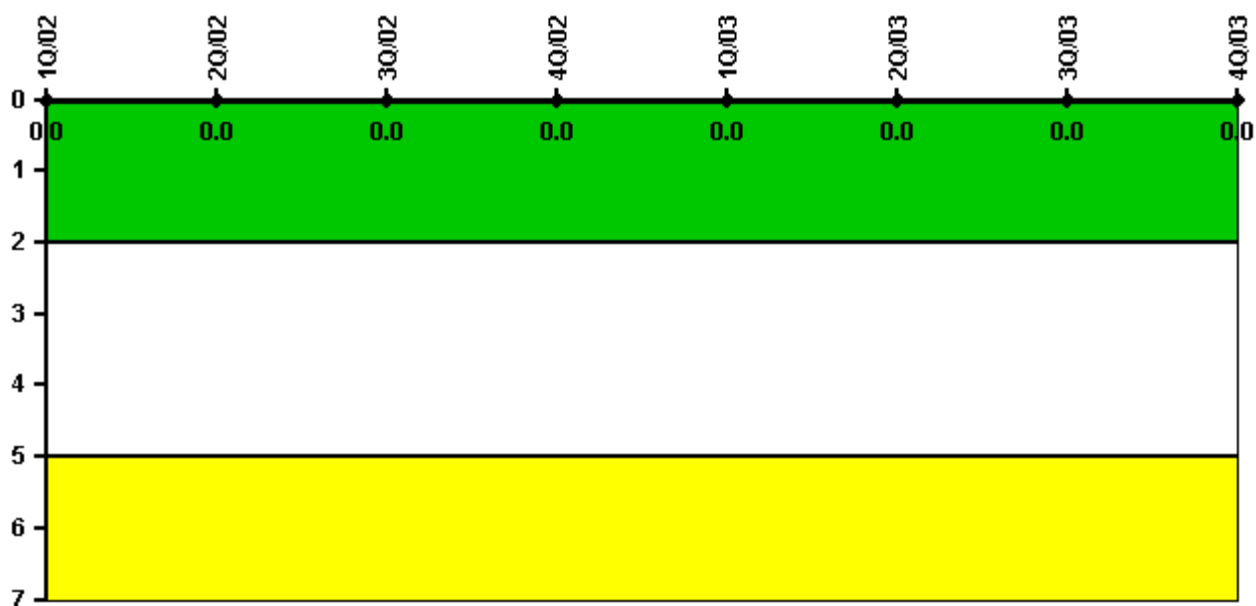


Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

▲ [PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: January 23, 2004